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## SEQUENCE LISTING ID NO 1A

Applicant: Pharmacia Diagnostics AB

Title: Group 2 allergen specific IgE-Fabs and use thereof

Type of sequence: Nucleic acid

Organism: homo sapiens

1002725.122101

FR1

94 CTCGAGTCTGGCCCAGGACTGGTGAAGCCTGCACAGACCCTGTCCCTCAGCTGCGCTGTCTCT  
60 CTCGAG-----T-----C-----A-----  
100 CTCGAG-----T-----C-----A-----

FR1 CDR1 FR2

94 GGCGGCTCCATCCGC AGTGGTGGTTACTACTGGAGT TGGATCCGCCAACACCCAGGGAAG  
60 --T-----T-----T-----G-----G-CT-----  
100 --T-----T-----T-----G-----G-CT-----

FR3 CDR2

94 GGCGTGGAGTGGATTGGG TACATCTATCACAGTGGGAACACCTACTACAACCCGTCCTCAAG  
60 -----C--C A-----C-----  
100 -----C-----C-----

FR3

94 AGT CGAATTGCCATGTCCGGTAGACACGTCTGAGAACAAAGTTCTCCCTGAGGCTGAACTCT  
60 ---A-----A-----A-----C-C-----A-----C-----  
100 ---G--A-----A-----A-----C-C-----G-----

FR3 CDR3

94 GTGACTGCCGCGGACACGGCCGTGTATTACTGTGCGAGG TTAGATGGCTACACTTTGGACATC  
60 -----C-----C-----C-----G--T-----A-----  
100 -----C-----G-----C-----A-----

FR4

94 TGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCA  
60 -----  
100 -----

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## SEQUENCE LISTING ID NO 18

Applicant: Pharmacia Diagnostics AB

Title: Group 2 allergen specific IgE-Fabs and use thereof

Type of sequence: Nucleic acid

Organism: homo sapiens

FR1

```
94 GAGCTCACTCAGTCTCCATCCTCCCTGTCTGCATCTGTGGGAGACAGAGTCACCATCAGTTGC
60 GAGCTC--C-----C-----A-----C-----
100 GAGCTC--G-----T--G-----A-----A-C--T
```

CDR1 FR2

```
94 CGGGCAAGTCAGAGAATTAACACCTATTTAAAT TGGTATCAGCATAAACCAGGGAAAGCCC
60 -----C-----T---G-----G-----G-----G-----
100 -----G-----G-T---G--GT-GG---GCC -----G-----
```

FR2 CDR2 FR3

```
94 CTAAGCTCCTCATCTAT GCTGCATCCAGTTTGCAAAGT GGGGTCCCATCAAGGTTTCAGT
60 -----C-----GG AG-----A-----C-----
100 ---A-----T-----G-----C-----
```

FR3

```
94 GGCAGTGGATATGGGACAGACTTCACTCTCACCATCAGCAGTCTGCAGCCTGAAGATTTTGCA
60 -----C-----G-----A-----A-----C-----
100 -----C-----T---G-----C-----C-----
```

FR3 CDR3 FR4

```
94 AGTTACTACTGT CAAGAGAGTCTCAGTGCCTCGTACACT TTTGGCCAGGGGACCAAGGT
60 -----C-----TA--C-A--TA--T--C --C---CT-----AC-
100 -C-----T--- ---C--GC-AA---TT-C-----
```

FR4

```
94 GGAGATCAAACGA
60 -----
100 ---A-----
```

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10027725.122101

SEQUENCE LISTING ID NO 2A

Applicant: Pharmacia Diagnostics AB

Title: Group 2 allergen specific IgE-Fabs and use thereof

Type of sequence: Amino acid

Organism: homo sapiens

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## SEQUENCE LISTING ID NO 2B

Applicant: Pharmacia Diagnostics AB

Title: Group 2 allergen specific IgE-Fabs and use thereof

Type of sequence: Amino acid

Organism: homo sapiens

1002725 " 1221.01

```

          FR1                      CDR1
94      E L T Q S P S S L S A S V G D R V T I S C      K A S Q R I N T Y L N
60      - - - - - - - - - - - - - - - T -      - - R - S - S - - - -
100     - - - - - - - V - - - - - - - - - T -      - - - - G - S S W - A
AF044462 - - - - - - - - - - - - - - - T -      - - - - S - S R - - -
S56199   E 1 V - - - - A T - - I - P - F - A S I - -      - - - - S V A - - - A
S67059   . . . . . - - - - - - - - - - T -      - - - - S - S N - - -

          FR2                      CDR2                      FR3
94      W Y Q H K P G K A P K L L I Y      A A S S L Q S      G V P S R F S G S G
60      - - - Q - - - - - - - - - W      S - - N - - -      - - - - - - - - -
100     - - - Q - - - - - - - - - -      S - - - - - -      - - - - - - - - -
AF044462 - - - Q - - - - - - - - - -      - - - - - - -      - - - - - - - - -
S56199   - - - - - - Q - - R - - - -      D - - N R A T      - I - A - - - - -
S67059   - - - Q - - - - - - - - - -      - - - - - - -      - - - - - - - - -

          FR3                      CDR3
94      Y G T D F T L T I S S L Q P E D F A S Y Y C      Q E S I S A S Y T
60      S - - E - - - - - N - - - - - - - - - -      - Q - Y T T L - -
100     - - - - S - - - - - - - - - S - T - - -      - Q A N - F P - -
AF044462 S - - - - - - - - - - - - - - T - - -      - Q - Y G T P H S
S56199   S - - - - - - - - - E - A - - - V - - -      - H R N N W P P L F T
S67059   S - - - - - - - - - - - - - S - T - - -      - Q T Y G T L I -

          FR4
94      F G Q G T K V F I K R
60      - - S - - - L - - - -
100     - - - - - - - - - -
AF044462 - - R - - - L - - - .
S56199   - - P - - R - D V - - T V A A P S V F
S67059   - - P - - T L D M - -
```

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